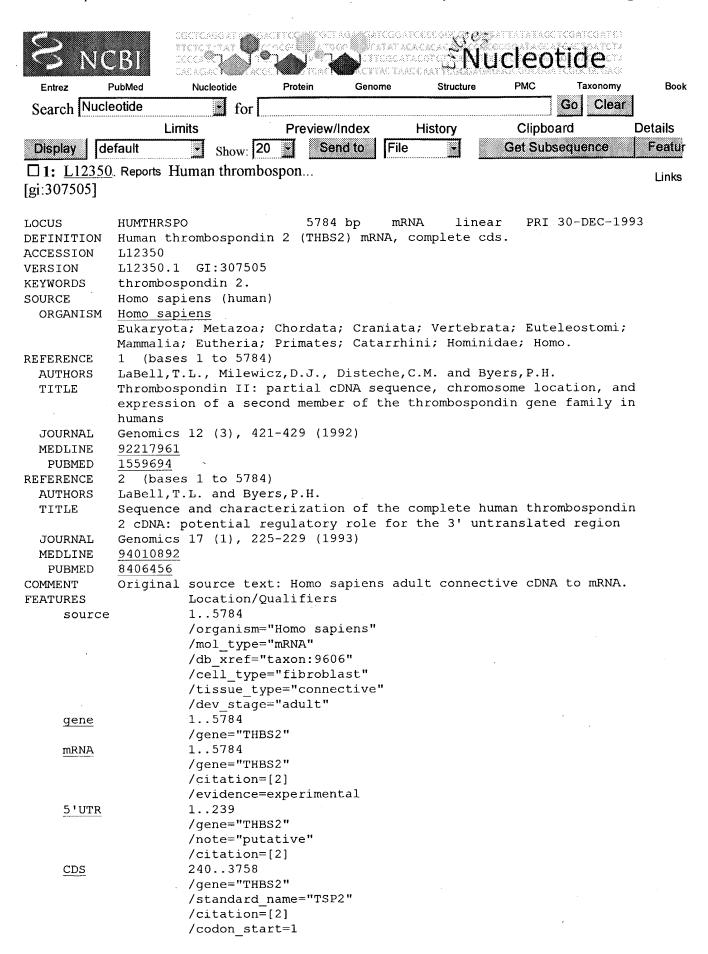
.



sig peptide

mat peptide

polyA signal

polyA site

ORIGIN

3'UTR

```
/evidence=experimental
               /product="thrombospondin 2"
               /protein_id="AAA03703.1"
               /db xref="GI:307506"
               translation="MVWRLVLLALWVWPSTQAGHQDKDTTFDLFSISNINRKTIGAKQ/
               FRGPDPGVPAYRFVRFDYIPPVNADDLSKITKIMRQKEGFFLTAQLKQDGKSRGTLLA
               LEGPGLSQRQFEIVSNGPADTLDLTYWIDGTRHVVSLEDVGLADSQWKNVTVQVAGET
               YSLHVGCDLIGPVALDEPFYEHLQAEKSRMYVAKGSARESHFRGLLQNVHLVFENSVE
               DILSKKGCOOGOGAEINAISENTETLRLGPHVTTEYVGPSSERRPEVCERSCEELGNM
               VOELSGLHVLVNOLSENLKRVSNDNOFLWELIGGPPKTRNMSACWODGRFFAENETWV
               VDSCTTCTCKKFKTICHQITCPPATCASPSFVEGECCPSCLHSVDGEEGWSPWAEWTQ
               CSVTCGSGTQQRGRSCDVTSNTCLGPSIQTRACSLSKCDTRIRQDGGWSHWSPWSSCS
               VTCGVGNITRIRLCNSPVPOMGGKNCKGSGRETKACOGAPCPIDGRWSPWSPWSACTV
               TCAGGIRERTRVCNSPEPQYGGKACVGDVQERQMCNKRSCPVDGCLSNPCFPGAQCSS
               FPDGSWSCGFCPVGFLGNGTHCEDLDECALVPDICFSTSKVPRCVNTQPGFHCLPCPP
               RYRGNQPVGVGLEAAKTEKQVCEPENPCKDKTHNCHKHAECIYLGHFSDPMYKCECQT
               GYAGDGLICGEDSDLDGWPNLNLVCATNATYHCIKDNCPHLPNSGQEDFDKDGIGDAC
               DDDDDDDGVTDEKDNCQLLFNPRQADYDKDEVGDRCDNCPYVHNPAQIDTDNNGEGDA
               CSVDIDGDDVFNERDNCPYVYNTDQRDTDGDGVGDHCDNCPLVHNPDQTDVDNDLVGD
               QCDNNEDIDDDGHQNNQDNCPYISNANQADHDRDGQGDACDPDDDDDGVPDDRDNCRL
               VFNPDQEDLDGDGRGDICKDDFDNDNIPDIDDVCPENNAISETDFRNFQMVPLDPKGT
               TQIDPNWVIRHQGKELVQTANSDPGIAVGFDEFGSVDFSGTFYVNTDRDDDYAGFVFG
               YQSSSRFYVVMWKQVTQTYWEDQPTRAYGYSGVSLKVVNSTTGTGEHLRNALWHTGNT
               PGQVRTLWHDPRNIGWKDYTAYRWHLTHRPKTGYIRVLVHEGKQVMADSGPIYDQTYA
               GGRLGLFVFSQEMVYFSDLKYECRDI"
               240..293
               /gene="THBS2"
               /note="putative"
               /citation=[2]
               294..3755
               /gene="THBS2"
               /product="thrombospondin 2"
               /citation=[2]
               /evidence=experimental
               3759..5784
               /gene="THBS2"
               /note="putative"
               /citation=[2]
               5761..5766
               /gene="THBS2"
               /note="putative"
               /citation=[2]
               5784
               /gene="THBS2"
  1 acggcatcca gtacagaggg gctggacttg gacccctgca gcagccctgc acaggagaag
 61 cggcatataa agccgcgctg cccgggagcc gctcggccac gtccaccgga gcatcctgca
121 ctgcagggcc ggtctctcgc tccagcagag cctgcgcctt tctgactcgg tccggaacac
181 tqaaaccaqt catcactqca tctttttqqc aaaccaqqaq ctcaqctqca qqaggcagga
241 tggtctggag gctggtcctg ctggctctgt gggtgtggcc cagcacgcaa gctggtcacc
301 aggacaaaga cacgaccttc gaccttttca gtatcagcaa catcaaccgc aagaccattg
361 gegecaagea gtteegeggg eeegaeeeeg gegtgeegge ttaeegette gtgegetttg
421 actacatoco accqqtqaac qcaqatqacc tcaqcaaqat caccaaqatc atgcggcaga
481 aggagggett ettecteacg geceagetea ageaggaegg caagteeagg ggeacgetgt
541 tqqctctqqa qqqccccggt ctctcccaga ggcagttcga gatcgtctcc aacggccccg
601 eggacacget ggateteace tactggattg aeggeaceeg geatgtggte teeetggagg
661 acgtcggcct ggctgactcg cagtggaaga acgtcaccgt gcaggtggct ggcgagacct
721 acagettgca egtgggetge gaceteatag gaceagttge tetggacgag ecettetacg
781 agcacctgca ggcggaaaag agccggatgt acgtggccaa aggctctgcc agagagagtc
841 acttcagggg tttgcttcag aacgtccacc tagtgtttga aaactctgtg gaagatattc
```

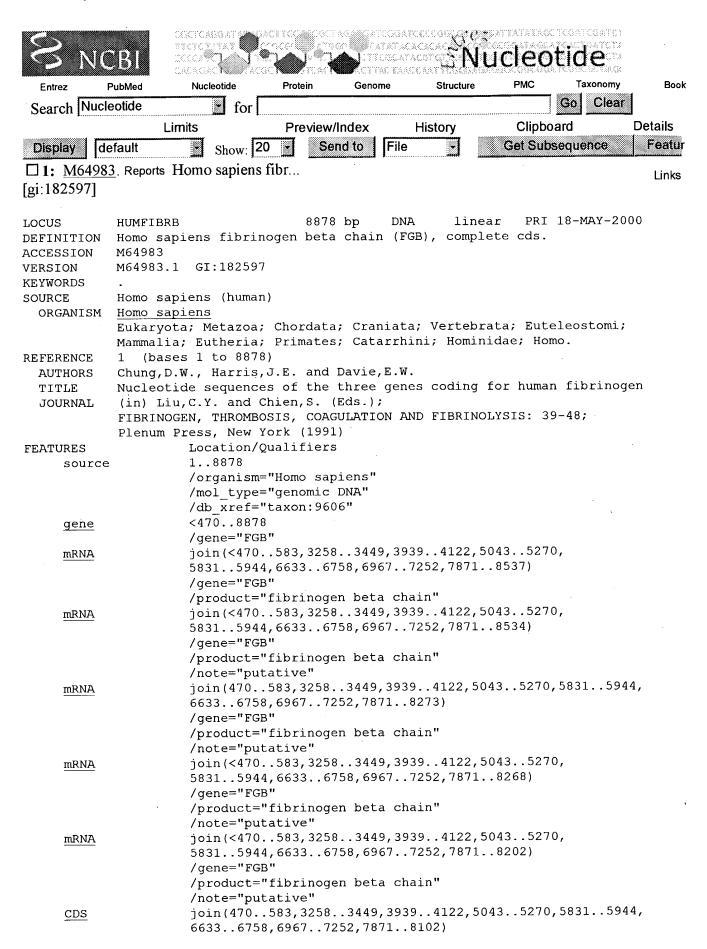
```
901 taagcaagaa gggttgccag caaggccagg gagctgagat caacgccatc agtgagaaca
 961 cagagacget gegeetgggt cegeatgtea ceacegagta egtgggeece ageteggaga
1021 ggaggcccga ggtgtgcgaa cgctcgtgcg aggagctggg aaacatggtc caggagctct
1081 cgqqqctcca cgtcctcgtg aaccagctca gcgagaacct caagagagtg tcgaatgata
1141 accaptttct ctgggagete attggtggee etectaagae aaggaacatg teagettget
1201 qqcaqqatqq ccqqttcttt gcggaaaatg aaacgtgggt ggtggacagc tgcaccacgt
1261 gtacctgcaa gaaatttaaa accatttgcc accaaatcac ctgcccqcct gcaacctgcg
1321 ccaqtccatc ctttqtqqaa qqcqaatqct qcccttcctq cctccactcq qtqqacggtq
1381 aggagggetg gteteegtgg geagagtgga eecagtgete egtgaegtgt ggetetggga
1441 cccaqcaqaq aqqccqqtcc tqtqacqtca ccaqcaacac ctqcttqggg ccctcgatcc
1501 agacacqqqc ttqcaqtctq agcaagtgtg acacccgcat ccggcaggac ggcggctgga
1561 qccactqqtc accttqqtct tcatgctctg tgacctgtgg agttggcaat atcacacgca
1621 tccgtctctg caactcccca gtgccccaga tggggggcaa gaattgcaaa gggagtggcc
1681 gggagaccaa agcctgccag ggcgccccat gcccaatcga tggccgctgg agcccctggt
1741 ccccgtggtc ggcctgcact gtcacctgtg ccggtgggat ccgggagcgc acccgggtct
1801 qcaacaqccc tqaqcctcaq tacqqaqgga aggcctqcqt gggggatgtg caggagcgtc
1861 agatgtgcaa caagaggage tgeccegtgg atggetgttt atecaaecee tgetteeegg
1921 gagcccagtg cagcagcttc cccgatgggt cctggtcatg cggcttctgc cctgtgggct
1981 tettgggcaa tggcacccac tgtgaggace tggacgagtg tgccctggte eccqacatet
2041 gettetecae cageaaggtg cetegetgtg teaacactea geetggette caetgeetge
2101 cctgcccgcc ccgatacaga gggaaccagc ccgtcggggt cggcctggaa gcagccaaga
2161 cqqaaaagca agtgtgtgag cccgaaaacc catgcaagga caagacacac aactgccaca
2221 agcacgegga qtqcatctac ctqqqtcact tcaqcgaccc catqtacaag tgcgagtgcc
2281 agacaggeta egegggegae gggeteatet geggggagga eteggaeetg gaeggetgge
2341 ccaacctcaa tctqqtctqc qccaccaacq ccacctacca ctqcatcaag gataactgcc
2401 cccatctqcc aaattctqqq caqqaaqact ttqacaaqqa cqqqattqqc gatqcctqtq
2461 atgatgacga tgacaatgac ggtgtgaccg atgagaagga caactgccag ctcctcttca
2521 atccccqcca qqctqactat gacaaggatg aggttgggga ccgctgtgac aactgccctt
2581 acgtgcacaa ccctgcccag atcgacacag acaacaatgg agagggtgac gcctgctccg
2641 tggacattga tggggacgat gtcttcaatg aacgagacaa ttgtccctac gtctacaaca
2701 ctgaccagag ggacacggat ggtgacggtg tgggggatca ctgtgacaac tgccccctgg
2761 tgcacaaccc tgaccagacc gacgtggaca atgaccttgt tggggaccag tgtgacaaca
2821 acqaqqacat aqatqacqac qqccaccaga acaaccagga caactqcccc tacatctcca
2881 acqccaacca ggctgaccat gacagagacg gccagggcga cgcctgtgac cctgatgatg
2941 acaacgatgg cgtccccgat gacagggaca actgccggct tgtgttcaac ccagaccagg
3001 aggacttgga cggtgatgga cggggtgata tttgtaaaga tgattttgac aatgacaaca
3061 teccagatat tgatgatgtg tgteetgaaa acaatgeeat eagtgagaea gaetteagga
3121 acttccagat ggtccccttg gatcccaaag ggaccaccca aattgatccc aactgggtca
3181 ttcgccatca aggcaaggag ctggttcaga cagccaactc ggaccccggc atcgctgtag
3241 gttttgacga gtttgggtct gtggacttca gtggcacatt ctacgtaaac actgaccggg
3301 acgacgacta tgctggcttc gtctttggtt accagtcaag cagccgcttc tatgtggtga
3361 tgtggaagca ggtgacgcag acctactggg aggaccagcc cacgcgggcc tatggctact
3421 ccqqcqtqtc cctcaaqqtq qtqaactcca ccacqqqqac gggcgagcac ctgaggaacg
3481 cqctqtqqca cacqqqqaac acqccqqqqc aqqtqcqaac cttatggcac gaccccagga
3541 acattggctg gaaggactac acggcctata ggtggcacct gactcacagg cccaagaccg
3601 gctacatcag agtcttagtg catgaaggaa aacaggtcat ggcagactca ggacctatct
3661 atgaccaaac ctacgctggc gggcggctgg gtctatttgt cttctctcaa gaaatggtct
3721 atttctcaga cctcaagtac gaatgcagag atatttaaac aagatttgct gcatttccgg
3781 caatgeeetg tgeatgeeat ggteeetaga caeeteagtt cattgtggte ettgeggett
3841 ctctctctag cagcacctcc tgtcccttga ccttaactct gatggttctt cacctcctgc
3901 cagcaacccc aaacccaagt gccttcagag gataaatatc aatggaactc agagatgaac
3961 atctaaccca ctagaggaaa ccagtttggt gatatatgag actttatgtg gagtgaaaat
4021 tgggcatgcc attacattgc tttttcttgt ttgtttaaaa agaatgacgt ttacatataa
4081 aatqtaatta cttattgtat ttatgtgtat atggagttga agggaatact gtgcataagc
4141 cattatgata aattaagcat gaaaaatatt gctgaactac ttttggtgct taaagttgtc
4201 actattcttg aattagagtt gctctacaat gacacacaaa tcccgctaaa taaattataa
4261 acaagggtca attcaaattt gaagtaatgt tttagtaagg agagattaga agacaacagg
4321 catagcaaat gacataagct accgattaac taatcggaac atgtaaaaca gttacaaaaa
4381 taaacgaact ctcctcttgt cctacaatga aagccctcat gtgcagtaga gatgcagttt
4441 catcaaagaa caaacatcct tgcaaatggg tgtgacgcgg ttccagatgt ggatttggca
```

//

```
4501 aaacctcatt taagtaaaag gttagcagag caaagtgcgg tgctttagct gctgcttgtg
4561 ccgttgtggc gtcggggagg ctcctgcctg agcttccttc cccagctttg ctgcctgaga
4621 ggaaccagag cagacgcaca ggccggaaaa ggcgcatcta acgcgtatct aggctttggt
4681 aactgcggac aagttgcttt tacctgattt gatgatacat ttcattaagg ttccagttat
4741 aaatattttg ttaatattta ttaagtgact atagaatgca actccattta ccagtaactt
4801 attttaaata tgcctagtaa cacatatgta gtataatttc tagaaacaaa catctaataa
4861 gtatataatc ctgtgaaaat atgaggcttg ataatattag gttgtcacga tgaagcatgc
4921 tagaaqctqt aacagaatac atagagaata atgaggagtt tatgatggaa ccttaatata
4981 taatgttgcc agcgatttta gttcaatatt tgttactgtt atctatctgc tgtatatgga
5041 attettttaa tteaaaeget qaaaaegaat eageatttag tettgeeagg eacaeecaat
5101 aatcagtcat gtgtaatatg cacaagtttg tttttgtttt tgttttttt gttggttggt
5161 ttttttgctt taagttgcat gatctttctg caggaaatag tcactcatcc cactccacat
5221 aaggggttta gtaagagaag tetgtetgte tgatgatgga tagggggeaa atetttttee
5281 cctttctqtt aatagtcatc acatttctat gccaaacagg aacgatccat aactttagtc
5341 ttaatgtaca cattgcattt tgataaaatt aattttgttg tttcctttga ggttgatcgt
5401 tgtgttgttt tgctgcactt tttacttttt tgcgtgtgga gctgtattcc cgagacaacg
5461 aagcgttggg atacttcatt aaatgtagcg actgtcaaca gcgtgcaggt tttctgtttc
5521 tgtgttgtgg ggtcaaccgt acaatggtgt gggaatgacg atgatgtgaa tatttagaat
5581 qtaccatatt ttttgtaaat tatttatgtt tttctaaaca aatttatcgt ataggttgat
5641 gaaacgtcat gtgttttgcc aaagactgta aatatttatt tatgtgttca catggtcaaa
5701 atttcaccac tqaaaccctg cacttagcta gaacctcatt tttaaagatt aacaacagga
5761 aataaattgt aaaaaaggtt ttct
```

<u>Disclaimer</u> | Write to the Help Desk <u>NCBI</u> | <u>NLM</u> | <u>NIH</u>

Oct 29 2004 14:28:57



3'UTR

ORIGIN

misc feature

```
/gene="FGB"
                /note="start codon not confirmed"
                /codon start=1
                /product="fibrinogen beta chain"
                /protein_id="AAA18024.2"
                /db xref="GI:7924018"
                translation="MKRMVSWSFHKLKTMKHLLLLLCVFLVKSQGVNDNEEGFFSAR/
                GHRPLDKKREEAPSLRPAPPPISGGGYRARPAKAAATQKKVERKAPDAGGCLHADPDL
                GVLCPTGCQLQEALLQQERPIRNSVDELNNNVEAVSQTSSSSFQYMYLLKDLWQKRQK
                QVKDNENVVNEYSSELEKHQLYIDETVNSNIPTNLRVLRSILENLRSKIQKLESDVSA
                OMEYCRTPCTVSCNI PVVSGKECEE I I RKGGETSEMYLIQPDSSVKPYRVYCDMNTEN
                GGWTVIONRODGSVDFGRKWDPYKQGFGNVATNTDGKNYCGLPGEYWLGNDKISQLTR
                MGPTELLIEMEDWKGDKVKAHYGGFTVQNEANKYQISVNKYRGTAGNALMDGASQLMG
                ENRTMTIHNGMFFSTYDRDNDGWLTSDPRKQCSKEDGGGWWYNRCHAANPNGRYYWGG
                QYTWDMAKHGTDDGVVWMNWKGSWYSMRKMSMKIRPFFPQQ"
                8103..8537
                /gene="FGB"
                8538..8878
                /gene="FGB"
                /note="3' flanking sequence"
  1 qaattcatgc cccttttgaa atagacttat gtcattgtca gaaaacataa gcatttatgg
  61 tatatcatta atgagtcacg attttagtgg ttgccttgtg agtaggtcaa atttactaag
 121 cttagatttg ttttctcaca tattctttcg gagcttgtgt agtttccaca ttaatttacc
 181 agaaacaaga tacacactct ctttgaggag tgccctaact tcccatcatt ttgtccaatt
 241 aaatgaattg aagaaattta atgtttctaa actagaccaa caaagaataa tagttgtatg
 301 acaaqtaaat aaqctttgct gggaagatgt tgcttaaatg ataaaatggt tcagccaaca
 361 agtgaaccaa aaattaaata ttaactaagg aaaggtaacc atttctgaag tcattcctag
 421 cagaggactc agatatatat aggattgaag atctctcagt taagtctaca tgaaaaggat
 481 ggtttcttgg agcttccaca aacttaaaac catgaaacat ctattattgc tactattgtg
 541 tgtttttcta gttaagtccc aaggtgtcaa cgacaatgag gaggtgaatt ttttaaagca
 601 ttattatatt attagtagta ttattaatat aagatgtaac ataatcatat tatgtgctta
 661 ttttaatgaa attagcattg cttatagtta tgaaatggaa ttgttaacct ctgacttatt
 721 gtatttaaag aatgtttcat agtatttctt atataaaaac aaagtaattt cttgttttct
 781 agtttatcac ctttgttttc ttaagatgag gatggcttag ctaatgtaag atgtgttttt
 841 ctcacttgct attctgagta ctgtgatttt catttacttc tagcaataca ggattacaat
 901 taagaggaca agatetgaaa ateteacaaa etataaaata ataaaagage agaattttaa
 961 gataaaagaa actggtggta ggtagattgt tctttggtga aggaaggtaa tatatattgt
1021 tactgagatt actatttata aaaattataa ctaagcctaa aagcaaaata catcaagtgt
1081 aatgatagaa aatgaaatat tgctttttc agatgaaaag ttcaaattag agttagtgtg
1141 tattgttatt attaatagtt atgaaacacg gttcagtcta atttatttat ttgtagaaca
1201 gtttgtcctc aactattatt tttgctgact tattgctgtt aatttgcagt tactaaaaat
1261 acagaaatgc atttaggaca atggatattt aagaaattta aattttatca tcaaacgtat
1321 catggccaaa tttcttacat atagcatagt atcattaaac tagaaataag aatacacaat
1381 aatatttaaa tgaagtgatt catttcggat cattattgag tttcaaggga acttgagtgt
1441 tgtacttatc agactctaca tgtaagaaca tatagttaat ctggttgtgt gtgtaaaaac
1501 atatggttaa tctggttaag tctggttaat catattaggt aagaaaaatg taaagaatgt
1561 gtaagacgaa atttttgtaa agtactctgc aaagcacttt cacatttctg cttatcaact
1621 aaacctcaca gagatagttt aatagtttag gctttaaaat ggattttgat tattcaacaa
1681 qtqqccttca taatttcttt aagtgttttt ctttaagtat atactttctt taaatatttt
1741 ttaaaatttc cttttctcta gtaaagccag accatccatg ctacctctct agtggcactc
1801 tgaaataaaa agaaaatagt tttctctgtt ataattgtat ttgtaataag cagatgaatc
1861 acatttctta aaatttgttt tagagagggt aagctctgac taggaccatg acttcaatgt
1921 gaaatatgta tatatcctcc gaatctttac atattaagaa tgtatatagt caactggtta
1981 aacaggaaaa totggaacag cotggotggg ttttaatott agcaccatoo tactaaatgt
2041 taaataatat tataatctaa tgaataaatg acaatgcaat tccaaataga gttcatctga
2101 tgacttctag actcacaaaa ttgcaagaga gctcagttgt tgctcagttg ttccaaatca
2161 tgtcgtttgt taatttgtaa ttaagctcca aaggatgtat agctactgac aaaaaaaaa
2221 atgagaatgt agttaatcca aatcaaaact ttcctattgc aatgcgtatt ttctgcttca
```

2281 ttatccttta atataatatt ttaagttagc aagtaatttt aattacaatg cacaagcctt

```
2341 gagaattatt ttaaatataa gaaaatcata atgtttgata aagaaatcat gtaagaaatt
2401 tcaagataat ggtttaacaa ataattttgt tgatagaaga taagactaaa agtgaaattc
2461 gaagtggaga ggacacttaa actgtagtac ttgttatgtg tgattccagt aaaaatagta
2521 atgagcactt attattgcca agtactgttc tgagggtacc atatgcaata agttatttaa
2581 tccttacaat aatcttgtaa ggcagattca aactatcatt acacttattt tacagatgag
2641 aaaactgggg cacagataaa gcaacttgcc caaggtctca tagctgtaag tcaaccctac
2701 ggtcaagacc tacaagtagc cgagctccag agtacattat gagggtcaaa gattgtctta
2761 ttacaaataa attccaagta gaatcaacct ttaataagtc tttaatgtct cttaaatatg
2821 tttatatagg agtctaatca ccaattcaca aaaatgaaag tagggaaatg attaacaata
2881 atcataggaa totaacaato caagtggott gagaatatto attottottg acagtataga
2941 ttctttacaa tttcgtaagt tccaatgtat gttttaggaa tatgaggtca ttactattca
3001 taatctgata cagctttatc ctaaggcctc tctttaaaaa ctacactgca tcatagcttt
3061 tttgtgcagt tggtctttct actgttactg aacagtaagc aacctacaga ttcactatca
3121 ccaaccagcc agttgatgga tcttaagcaa attatcaagc ttgtgataac ctaaattata
3181 aaatgagggt gttggaatag ttacattcca aatcttctat aacactctgt attatatttc
3241 tgcctcattc cttgtagggt ttcttcagtg cccgtggtca tcgacccctt gacaagaaga
3301 gagaagaggc teccageetg aggeetgeee cacegeecat cagtggaggt ggetateggg
3361 ctcgtccagc caaagcagct gccactcaaa agaaagtaga aagaaaagcc cctgatgctg
3421 gaggetgtet teacgetgae ecagacetgg tgggtgeact gatgtttett geagtggtgg
3481 ctctctcatg cagagaaagc ctgtagtcat ggcagtctgc taatgtttca ctgacccaca
3541 ttaccatcac tgttattttg tttgtttatt ttggaaataa aattcaaaac ataaacatat
3601 tgggcctttg gtttaggctt tctttcttgt tttctttggt ctgggcccaa aatttcaaat
3661 taggatatgt gggtgccacc tttccatttg tattttgcca ctgcctttgt ttagttggta
3721 aaattttcat agcccaatta tatttttct ggggtaagta atattttaaa tctctatgag
3781 agtatgatga tgactttcga atttctggtc ttacagaaaa ccaaataata aatttttatg
3841 ttggctaatc gtatcgctga attttcctat gtgctatttt aacaaatgtc catgacccaa
3901 atccttcatc taatgcctgc tattttcttt gtttttaggg ggtgttgtgt cctacaggat
3961 gtcagttgca agaggctttg ctacaacagg aaaggccaat cagaaatagt gttgatgagt
4021 taaataacaa tgtggaagct gtttcccaga cctcctcttc ttcctttcag tacatgtatt
4081 tgctgaaaga cctgtggcaa aagaggcaga agcaagtaaa aggtagatat ccttgtgctt
4141 tccattcgat tttcagctat aaaattggaa ccgttagact gccacgagaa tgcatggttg
4201 tgagaagatt aacatttctg ggttagtgaa tagcattcat acgcttttgg gcaccttccc
4261 ctgcaacttg ccagataagc actattcagc tcttattccc agtctgacat cagcaagtgt
4321 gattttctat gaaaaattct actatgactc cttattttaa gtatacaaga aacttgtgác
4381 tcagaagata atatttacag agtggaaaaa aacccctagc atttatagtt ttaacatttg
4441 aggttttgaa tgagagagtt atccataata tattcaattg tgttgtggat aatgacacct
4501 aacctgtgaa tcttgaggtc agaatgttga gtgctgttga cttggtggtc aggaaacagc
4561 tagtgcgtga gcctggcaca ggcatctcag tgagtagcat acccacagtt ggaaattttt
4621 caaagaaatc aaaggaatca tgacatctta taaatttcaa ggttctgcta tacttatqtq
4681 aaatggataa ataaatcaag catatccact ctgtaagatt gaacttctca gatggaagac
4741 cccaatactq ctttctcctc ttttccctca ccaaagaaat aaacaaccta tttcatttat
4801 tactggacac aatctttagc gtatacctat ggtaaattac tagtatggtg gttaggattt
4861 atgttaattt gtatatgtca tgcgccaaat catttccact aaatatgact atatatcata
4921 actgcttggt gatagctcag tgtttaatag tttattctca gaaaatcaaa attgtatagt
4981 taaatacatt agttttatga ggcaaaaatg ctaactattt ctacataatt tcatttttcc
5041 agataatgaa aatgtagtca atgagtactc ctcagaactg gaaaagcacc aattatatat
5101 agatgagact: gtgaatagca atatcccaac taaccttcgt gtgcttcgtt caatcctgga
5161 aaacctgaga agcaaaatac aaaagttaga atctgatgtc tcagctcaaa tggaatattg
5221 tcgcacccca tgcactgtca gttgcaatat tcctgtggtg tctggcaaag gtaactgatt
5281 cataaacata tttttagaga gttccagaag aactcacaca ccaaaaataa gagaacaaca
5341 acaacaacaa aaatgctaag tggattttcc caacagatca taatgacatt acagtacatc
5401 ataaaaatat ccttagccag ttgtgttttg gactggcctg gtgcatttgc tggttttgat
5461 gagcaggatg gggcacaggt agtcccaggg gtggctgatg tgtgcatctg cqtactgqct
5521 tgaacagatg gcagaaccac agatagatgt agaagtttct ccattttgtg tgttctggga
5581 gctcatggat attccaggac acaaaaggtg gagaagagct ttgttcatcc tcttagcaga
5641 taaacgtcct caaaactggg ttggacttac taaagtaaaa tgaaaatcta atatttgtta
5701 tattattttc aaaggtctat aataacacac tccttagtaa cttatgtaat gttattttaa
5761 agaattggtg actaaataca aagtaattat gtcataaacc cctgaacata atgttgtctt
5821 acatttgcag aatgtgagga aattatcagg aaaggaggtg aaacatctga aatgtatctc
5881 attcaacctq acagttctqt caaaccgtat agagtatact gtgacatgaa tacagaaaat
```

11

```
5941 ggaggtaagc tttcgacagt tgttgacctg ttgatctgta attatttgga taccgtaaaa
6001 tgccaggaaa caaggccagg tgtggtggct catacctgta attccagcac cttgggaggc
6061 caaagtgggc tgatagcttg agcctaggag tttgaaacta gcctgggcaa cataatgaga
6181 agtatgtgcc tgtagtccca gctatccagg aggctgagat gggagatcac ctgagcccac
6241 aacctggagt cttgatcatg ctactgaact gtagcctggg caacagagga tagtgagatc
6301 ctgtctcaaa aaaaaaaatt aattaaaaag ccaggaaaca agacttagct ctaacatcta
6361 acatagctga caaaggagta atttgatgtg gaattcaacc tgatatttaa aagttataaa
6421 atatctataa ttcacaattt ggggtaagat aaagcacttg cagtttccaa agattttaca
6481 agtttacctc tcatatttat ttccttattg tgtctatttt agagcaccaa atatatacta
6541 aatggaatgg acaggggatt cagatattat tttcaaagtg acattatttg ctgttggtta
6601 atatatgctc tttttgtttc tgtcaaccaa aggatggaca gtgattcaga accgtcaaga
6661 cggtagtgtt gactttggca ggaaatggga tccatataaa cagggatttg gaaatgttgc
6721 aaccaacaca gatgggaaga attactgtgg cctaccaggt aacgaacagg catgcaaaat
6781 aaaatcattc tatttgaaat gggatttttt ttaattaaaa aacattcatt gttggaagcc
6841 tgttttaggc agttaagagg agtttcctga caaaaatgtg gaagctaaag ataagggaag
6901 aaaggcagtt tttagtttcc caaaatttta tttttggtga gagattttat tttgtttttc
6961 ttttaggtga atattggctt ggaaatgata aaattagcca gcttaccagg atgggaccca
7021 cagaactttt gatagaaatg gaggactgga aaggagacaa agtaaaggct cactatggag
7081 gattcactgt acagaatgaa gccaacaaat accagatctc agtgaacaaa tacagaggaa
7141 cagccggtaa tgccctcatg gatggagcat ctcagctgat gggagaaaac aggaccatga
7201 ccattcacaa cggcatgttc ttcagcacgt atgacagaga caatgacggc tggtatgtgt
7261 ggcactcttt gctcctgctt taaaaatcac actaatatca ttactcagaa tcattaacaa
7321 tatttttaat agctaccact teetgggeae ttaetgteag ceaetgteet aagetettta
7381 tgcatcactc gaaagcattt caactataag gtagacattc ttattctcat tttacagatg
7441 agatttagag agattacgtg atttgtccaa tgtcacacaa ctacccagag ataaaactag
7501 aatttgagca cagttacttt ctgaataatg agcatttaga taaataccta tatctctata
7561 ttctaaagtg tgtgtgaaaa ctttcatttt catttccagg gttctctgat actaagggtt
7621 gtaaaagcta ttattccagt ataaagtaac aaacacagtc cctagatgga ttgccacaaa
7681 ggcccagtta tctctcttc ttgctatagg gcacaggagg tctttggtgt attagtgtga
7741 ctctatgtat agcacccaaa ggaaagacta ctgtgcacac gagtgtagca gtcttttatg
7801 ggtaatctgc aaaacgtaac ttgaccaccg tagttctgtt tctaataacg ccaaacacat
7861 tttctttcag gttaacatca gatcccagaa aacagtgttc taaagaagac ggtggtggat
7921 ggtggtataa tagatgtcat gcagccaatc caaacggcag atactactgg ggtggacagt
7981 acacctggga catggcaaag catggcacag atgatggtgt agtatggatg aattggaagg
8041 ggtcatggta ctcaatgagg aagatgagta tgaagatcag gcccttcttc ccacagcaat
8101 agtccccaat acgtagattt ttgctcttct gtatgtgaca acatttttgt acattatgtt
8161 attggaattt tettteatae attatattee tetaaaaete teaageagae gtgagtgtga
8221 ctttttgaaa aaagtatagg ataaattaca ttaaaatagc acatgatttt cttttgtttt
8281 cttcatttct cttgctcacc caagaagtaa caaaagtata gttttgacag agttggtgtt
8341 cataatttca gttctagttg attgcgagaa ttttcaaata aggaagaggg gtcttttatc
8401 cttgtcgtag gaaaaccatg acggaaagga aaaactgatg tttaaaagtc cacttttaaa
8461 actatattta tttatgtagg atctgtcaaa gaaaacttcc aaaaagattt attaattaaa
8521 ccagactctg ttgcaataag ttaatgtttt cttgttttgt aatccacaca ttcaatgagt
8581 taggetttgc acttgtaagg aaggagaage gttcacaace teaaataget aataaacegg
8641 tottgaatat ttgaagattt aaaatotgac totaggacgg gcacggtggc tcacgactat
8701 aatcccaaca ctttgggagg ctgaggcggg cggtcacaag gtcaggagtt caagaccagc
8761 ctgaccaata tggtgaaacc ccatctctac taaaaataca aaaattagcc aggcgtggtg
8821 gcaggtgcct gtaggtccca gctagcctgt gaggtggaga ttgcattgag ccaagatc
```

Disclaimer | Write to the Help Desk NCBI | NLM | NIH

Oct 29 2004 14:28:57